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Shpunt et al.

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(54) **REFERENCE IMAGE TECHNIQUES FOR THREE-DIMENSIONAL SENSING**

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(58) **Field of Classification Search**

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See application file for complete search history.

(56)

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(57)

ABSTRACT

A method including providing a device that projects a pattern of coherent radiation. The method further includes capturing a reference image of the pattern using an image sensor by projecting the pattern of the coherent radiation onto a reference surface and engendering a relative motion between the reference surface and the image sensor while capturing the reference image. The method also includes storing the reference image in a memory associated with the device.

11 Claims, 10 Drawing Sheets

